

CLAIMS

1. Use of allicin in (i) the treatment of leishmaniasis; (ii) as a disinfectant or biocidal treatment of aquatic species; (iii) as an antimicrobial agent for animal feed; (iv) as a preservative agent in foodstuffs; (v) as a water disinfectant or biocide; (vi) as an antiparasitic treatment or antibacterial treatment for bees (apis); or (vii) in the preparation of a medicament for the treatment of Glycopeptide Intermediate Resistant *Staphylococcus Aureus*.
- 10 2. Use as claimed in Claim 1 of allicin in the treatment of leishmaniasis.
3. Use of allicin in the preparation of a medicament for treatment of leishmaniasis.
- 15 4. The use as claimed in Claim 3 wherein allicin is present in the medicament at a concentration of about 5000 ppm.
5. Use as claimed in Claim 1 of allicin as a disinfectant or biocidal treatment of aquatic species.
- 20 6. Use of allicin in the preparation of a medicament for disinfection or biocidal treatment of aquatic species.
7. Use as claimed in Claim 1 of allicin as an antimicrobial agent for animal feed.
- 25 8. Use as claimed in Claim 7 wherein the animal feed is water feed and allicin is present in an amount of about 500ppm.
9. Use as claimed in Claim 7 wherein the animal feed is a feedstuff and allicin is present in an amount giving a daily intake of from 1 to 5 mg per animal per day.
- 30 10. Use as claimed in Claim 1 of allicin as a preservative agent in foodstuffs.
11. A food preservative agent comprising allicin and at least one food-grade excipient.

12. A food preservative agent as claimed in Claim 11 having an allicin concentration of up to 500ppm.

5 13. Use as claimed in Claim 1 of allicin as a water disinfectant or biocide.

14. A water treatment composition comprising allicin and a food-grade excipient.

10 15. A water treatment composition as claimed in Claim 14 comprising allicin in an amount of from 0.5 to 2.0 % w/v or w/w, preferably in an amount of 0.9 to 1.7 %.

16. Use as claimed in Claim 1 of allicin as antiparasitic and antibacterial treatment for bees (apis).

15 17. Use of allicin in the preparation of an antiparasitic composition for bees.

18. Use as claimed in Claim 16 or 17 wherein the parasite is selected from bacterial and fungal species.

20 19. The use as claimed in Claim 18 wherein the parasite is selected from Paenibacillus larvae, Ascospaera apis, Ascospaera aggregata, Melissococcus plutonius and Brevibacillus laterosporus.

25 20. An antiparasitic composition for bees comprising allicin and a pharmaceutically acceptable excipient.

21. Use as claimed in Claim 1 of allicin in the preparation of a medicament for the treatment of Glycopeptide Intermediate Resistant Staphylococcus aureus.